ABSTRACT

A positive electrode active material and a non-aqueous electrolyte cell which uses the positive electrode active material. The cell has a high discharge voltage without lowering the capacity and superior charging/discharging characteristics. To this end, the positive electrode active material contains a compound represented by the general formula $Li_xMn_yFe_{1-y}PO_4$, wherein $0 < x \leq 2$ and $0.5 < y < 0.95$, or a compound represented by the general formula $Li_xMn_yA_{1-y}PO_4$, where $0 < x \leq 2$ and $0 < y < 1$ and wherein A is a metal element selected from among Ti, Zn, Mg and Co or plural metal elements selected from among Ti, Fe, Zn, Mg and Co.